

PRELIMINARY AMENDMENT
Application to SAKIYAMA et al.

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A fastening structure for sealing member comprising:
a connector housing that forms an engagement part into which a partnering connector is inserted;
connection terminals installed in this connector housing and electrically connected to said partnering connector; and
a sealing member made of an elastic material and is installed on the engagement part of said connector housing and that maintains a fluid-tight seal between said partnering connector and said connector housing when said partnering connector is completely inserted into said connector housing; wherein
a ~~through~~through hole that passes through said connector housing along an insertion direction of said partnering connector is formed in said connector housing;
said sealing member comprises a sealing member main body that is installed on said connector housing, and an installation part that is formed integrally with this sealing member main body and is inserted into said through hole of said connector housing so as to project its distal end part in this insertion direction from said through hole; and
a mold part that seals proximal terminal ends of said connection terminals, conductors that are connected to these proximal ends, and an opening part of said through hole on the side that said installation part is projected, is formed on the opening end side of the through hole of

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the connector housing on the side opposite to the engagement part; and said mold part fastens said installation part of said sealing member that is projected from said through hole to said connector housing.

2. (currently amended) A fastening structure for sealing member according to claim 1 wherein said ~~through~~through hole of said connector housing is completely sealed along with said installation part of said sealing member by said mold part.

3. (currently amended) A fastening structure for sealing member according to claim 1 ~~or claim 2~~ wherein said sealing member is formed on the distal end part along the insertion direction of said installation part, and has a stopper part that engages an opening edge of said through hole.

4. (currently amended) A fastening structure for sealing member according to ~~any one of claims 1 through 3~~ wherein a projection is formed in the inner wall in a direction perpendicular to said engagement direction of the engagement part of said connector housing at a position that does not overlap the installation position of the sealing member main body of said sealing member and projects in said perpendicular direction at a position corresponding to that of said through hole in said engagement direction.

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5. (currently amended) A fastening structure for sealing member according to ~~any one of~~ claims 1 ~~through 4~~ wherein a protector part composed of a plurality of grooves which are formed along a direction perpendicular to a longitudinal direction of said conductors is provided on an end part of said mold part along the longitudinal direction of said conductors.

6. (original) A fastening structure for sealing member comprising:

a connector housing that forms an engagement part into which a partnering connector is inserted;

connection terminals that are installed on this connector housing and are electrically connected to said partnering connector; and

a sealing member made of an elastic material that is installed in said engagement part of said connector housing and maintains a fluid-tight seal between said partnering connector and said connector housing when said partnering connector is completely inserted into said connector housing, wherein

a through hole that passes through said connector housing along an insertion direction of said partnering connector is formed in said connector housing, and a projection that is formed at a position on an inner wall of said connector housing in a direction perpendicular to the insertion direction towards a part corresponding to a position of said through hole so as to project in this perpendicular direction;

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said sealing member comprises a sealing member main body that is installed on said connector housing, and said projection is formed at a position that does not overlap an installation position of said sealing member main body in said connector housing;

a mold part that respectively seals a proximal terminal ends of said connection terminals, said conductors which are connected to these proximal ends, and said through hole, is formed on an opening end side of said through hole of said connector housing on a side opposite to said engagement part; and

said sealing member is fastened to said connector housing due to said projection and said mold part that seals said through hole and extends to said sealing member main body.

7. (original) A fastening structure for sealing member according to claim 6 wherein a protector part composed of a plurality of grooves which are formed along a direction perpendicular to a longitudinal direction of said conductors is provided on an end part of said mold part along the longitudinal direction of said conductors.

8. (new) A fastening structure for sealing member according to claim 2 wherein said sealing member is formed on the distal end part along the insertion direction of said installation part, and has a stopper part that engages an opening edge of said through hole.

9. (new) A fastening structure for sealing member according to claim 2 wherein a projection is formed in the inner wall in a direction perpendicular to said engagement direction

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of the engagement part of said connector housing at a position that does not overlap the installation position of the sealing member main body of said sealing member and projects in said perpendicular direction at a position corresponding to that of said through hole in said engagement direction.

10. (new) A fastening structure for sealing member according to claim 3 wherein a projection is formed in the inner wall in a direction perpendicular to said engagement direction of the engagement part of said connector housing at a position that does not overlap the installation position of the sealing member main body of said sealing member and projects in said perpendicular direction at a position corresponding to that of said through hole in said engagement direction.

11. (new) A fastening structure for sealing member according to claim 2 wherein a protector part composed of a plurality of grooves which are formed along a direction perpendicular to a longitudinal direction of said conductors is provided on an end part of said mold part along the longitudinal direction of said conductors.

12. (new) A fastening structure for sealing member according to claim 3 wherein a protector part composed of a plurality of grooves which are formed along a direction perpendicular to a longitudinal direction of said conductors is provided on an end part of said mold part along the longitudinal direction of said conductors.

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13. (new) A fastening structure for sealing member according to claim 4 wherein a protector part composed of a plurality of grooves which are formed along a direction perpendicular to a longitudinal direction of said conductors is provided on an end part of said mold part along the longitudinal direction of said conductors.